

**LISTING OF THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claim in the application:

1-110 (canceled).

111 (previously presented). An infusion set comprising: a needle housing having a proximal port, a distal port and a base surface; a mounting pad coupled to the base surface of the needle housing and having a transverse hole; and a transcutaneous cannula having a proximal end connected to the distal port of the needle housing and a distal end that is adapted to be fed through the transverse hole; wherein the transcutaneous cannula comprises: a tube having an indwelling portion, an outer wall and an inner wall, and an outer photocatalytic layer attached to the outer wall of the tube,  
wherein the photocatalytic layer attached to the indwelling portion of the tube comprises a semiconductor oxide, wherein the semiconductor oxide comprises titania, wherein at least the outer surface of the titania is doped, and wherein the dopant comprises nitrogen.

112-118 (canceled).

119 (previously presented) The infusion set of claim 111, further comprising an inner photocatalytic layer attached to the inner wall of the tube.

120 (previously presented) The infusion set of claim 111, wherein the tube comprises silicone.